



**BUILDING PAD SUMMARY OF TESTING  
FOR**

**ARCADIA VACATION RESORT, PHASE 3  
UNITS 58-72, 75-78 AND AMENITY**

**SANTA CLARA, UTAH**

**PREPARED FOR:**

**TAYLOR BUILT HOMES, LLC  
1100 EAST SOUTH UNION AVENUE  
MIDVALE, UTAH 84047**

**ATTENTION: ROBERT SMITH**

# AGEC

## Applied GeoTech

April 8, 2021

Taylor Built Homes, LLC  
1100 East South Union Avenue  
Midvale, Utah 84047

Attention: Robert Smith  
Email: [robert@bmeutah.com](mailto:robert@bmeutah.com)

Subject: Building Pad Summary of Testing  
Arcadia Vacation Resort, Phase 3, Units 58-72, 75-78, and Amenity  
Santa Clara, Utah  
AGEC Project Number 2182022

References: 1. "Geotechnical Investigation Report" provided by AGECE under project No. 2161099 dated March 14, 2017.  
2. Compaction tests conducted by AGECE during construction of subdivision. Documentation attached.

Applied Geotechnical Engineering Consultants, Inc. (AGECE) was requested to provide our professional opinion on whether the level of compaction of the structural fill (supporting foundations) measured by in-place density tests meets the compaction recommendation provided in the report referenced above.

Based on our compaction test results (Reference No. 2), it is our professional opinion that the work tested by AGECE was measured to meet the compaction criteria contained within Reference No. 1.

The recommendations provided in the referenced report should be followed throughout the life of the structure.

Please call if further consultation or observations are required.

APPLIED GEOTECHNICAL ENGINEERING CONSULTANTS, INC.

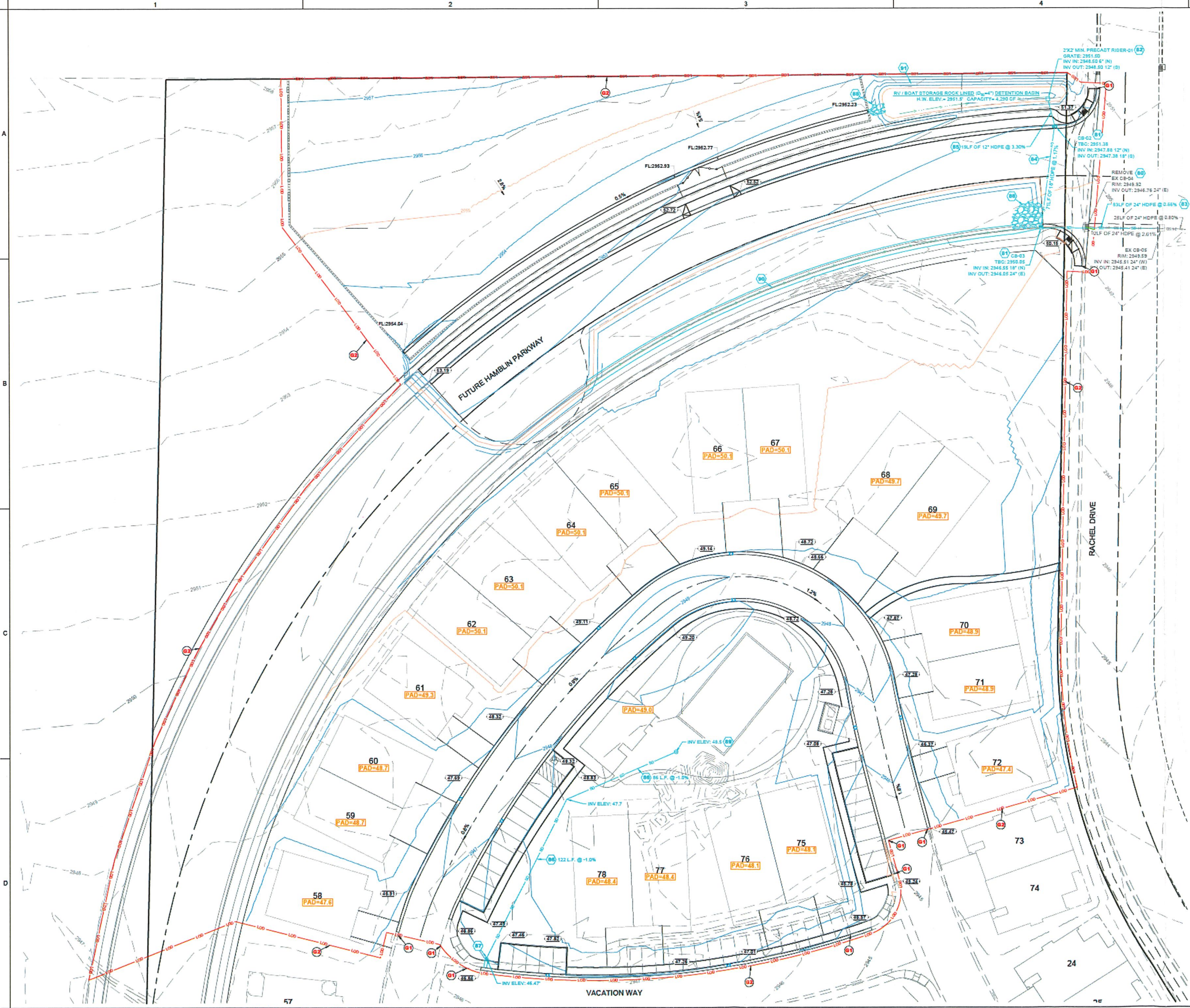
Joseph T. Zaleski, P.E.

JTZ/se P:\2018 Project Files\2182000\2182022 - Arcadia Phase 3\Arcadia, Ph 3 Building Pad Summary.docx



# GRADING PLAN SHEET





**GRADING AND DRAINAGE NOTES:**

1. THE DRAINAGE ARROWS ON THIS PLAN DEPICT THE GENERAL INTENT FOR HOW SURFACE FLOWS SHOULD DRAIN. CONTRACTOR AND/OR HOME BUILDER SHALL FIELD ADJUST AS NECESSARY TO PROVIDE ADEQUATE DRAINAGE.
2. CONTRACTOR TO COMPLETE GRADING ACTIVITIES WITH THE APPROVED GRADING PERMIT AND GEOTECHNICAL RECOMMENDATIONS / REQUIREMENTS.
3. CONTRACTOR MUST CONTACT DOMINION ENERGY HIGH PRESSURE CONSTRUCTION OFFICE AT (801) 324-3370 PRIOR TO STARTING EXCAVATION WITHIN THE EXISTING HIGH PRESSURE GAS EASEMENT.

**LEGEND**

- 3000 — 5' PROPOSED MAJOR CONTOUR
- 3000 — 1' PROPOSED MINOR CONTOUR
- 3000 — 5' EXISTING MAJOR CONTOUR
- 3000 — 1' EXISTING MINOR CONTOUR
- — DIRECTIONAL FLOWLINE
- — PROPOSED RETAINING WALL
- — PROPOSED ROCK RETAINING WALL
- — PROPOSED TOP OF CONCRETE ELEVATION
- — PROPOSED TOP OF CURB, STEP, OR SIDEWALK ELEVATION
- — PROPOSED TOP OF RETAINING WALL & BOTTOM OF RETAINING WALL ELEVATION
- — PROPOSED SD CATCHBASIN
- — EXISTING SD CATCHBASIN
- — APPROXIMATE LIMITS OF DISTURBANCE BOUNDARY

**GRADING CONSTRUCTION KEY NOTES:**

- ① MATCH TO EXISTING (SAW OUT AS REQUIRED TO PROVIDE SMOOTH TRANSITION FROM EXISTING TO NEW)
- ② APPROXIMATE LIMITS OF DISTURBANCE

**STORM DRAIN CONSTRUCTION KEY NOTES:**

- ① REMOVE / RELOCATE EXISTING CURB INLET DOUBLE CATCH BASIN
- ② INSTALL CURB INLET CATCH BASIN
- ③ INSTALL 2' X 2' MINIMUM PRECAST RISER STRUCTURE
- ④ INSTALL 24" STORM DRAIN LINE (H.D.P.E. PER CITY STDS.)
- ⑤ INSTALL 18" STORM DRAIN LINE (H.D.P.E. PER CITY STDS.)
- ⑥ INSTALL 12" STORM DRAIN LINE (H.D.P.E. PER CITY STDS.)
- ⑦ INSTALL 8" STORM DRAIN TRUNK LINE (H.D.P.E. PER CITY STDS.)
- ⑧ SIDEWALK OUTLET STRUCTURE (PER CITY STD. DWG. 204A & 204B)
- ⑨ RIPRAP INLET PROTECTION (D<sub>50</sub> = 6")
- ⑩ INSTALL TEMPORARY CLEAN OUT
- ⑪ INSTALL TEMPORARY ROCK LINED (D<sub>50</sub> = 6") V-DITCH DEPTH VARIES WITH 2:1 SIDE SLOPES. GRADE TO CAPTURE SURFACE FLOWS & DRAIN.
- ⑫ IF POOR SOILS SUSCEPTIBLE TO SHRINK OR SWELL ARE ENCOUNTERED DURING POND EXCAVATION, LINE DETENTION BASIN WITH WATERPROOFING MEMBRANE TO PREVENT STORMWATER PERCOLATION / INFILTRATION.
- \* ADJUST ALL RIM, GRATES & BOXES TO FINISHED GRADE
- DRAINAGE DIRECTIONAL FLOW ARROW

**HORROCKS ENGINEERS**  
 555 South Bluff St., Suite 101  
 St. George, UT 84770  
 (435) 966-7888  
 www.horrockscs.com

**WARNING**  
 IF THIS BAR DOES NOT MEASURE 2" THEN DRAWING IS NOT TO SCALE

REVISIONS	REV #	DATE

DESIGNED BY	BW
DRAWN BY	SA
CHECKED BY	AC
PROJECT	UT-2483-2006



**ARCADIA VACATION RESORT  
 PHASE 3 CONSTRUCTION DRAWINGS**  
 SANTA CLARA, UT

**GRADING PLAN**

**C.2.1**

H:\2021\Taylar Hill Homes\Arcadia Phase 3\Project Data\02 CAD\2.01 Sheet Plans\Construction Drawings\01 GRADING PLAN.dwg - C.2.1 - 1/26/2021 08:12am. selbrech



# **BUILDING PAD COMPACTION TESTS**



# Applied GeoTech

## FILL AND OBSERVATION TESTING REPORT

PROJECT NAME: Arcadia, Phase 3  
 PROJECT NUMBER: 2182022  
 LOCATION: Santa Clara

Abbreviation Definitions:	ABC = Aggregate Base Course, BFG = Below Finished Grade, BG = Below Grade, BOX = Bottom of Excavation, FG = Finished Grade, FSG = Finished Subgrade, FFG = Finished Footing Grade, MH = Manhole, PL = Property Line, PZ = Pipe Zone, SD = Storm Drain, SG = Subgrade, STA = Station
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						LABORATORY			FIELD					
Test Type	Date	Tech	LOCATION	TEST DEPTH (in)	TEST ELEV (ft)	Proctor ID	MDD (PCF)	OMC (%)	WD (PCF)	DD (PCF)	Moisture (%)	Compaction %		Falling Test
												Field	Spec.	
ATTN:			CURRENT LOT NUMBERS MAY BE DIFFERENT FROM LOT NUMBERS DURING TESTING											
L58			Building Pad - LOT 58											
L58	12/03/18	ZS	Pad 58 20' North 10' East of Southwest pad corner	8"	BOX	A	132.0	6.5	133.7	122.1	9.5	93	90	
L58	12/04/18	ZS	Pad 58 20' South 20' East of Northwest pad corner	6"	2' BG	A	132.0	6.5	133.6	124.7	7.1	95	95	
L58	03/29/21	ZS	10' South 20' East from Northwest pad corner, Unit 58	8"	FG	A	131.0	8.5	137.8	128.2	7.5	98	95	
L58	03/29/21	ZS	10' North 10' West from Southeast pad corner, Unit 58	8"	FG	A	131.0	8.5	132.8	123.8	7.3	95	95	



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Test Type	Date	Tech	LOCATION	TEST DEPTH (in)	TEST ELEV (ft)	LABORATORY			FIELD					
						Proctor ID	MDD (PCF)	OMC (%)	WD (PCF)	DD (PCF)	Moisture (%)	Compaction %		Failing Test
												Field	Spec.	
ATTN:			CURRENT LOT NUMBERS MAY BE DIFFERENT FROM LOT NUMBERS DURING TESTING											
L59-60			Building Pad - LOT 59-60											
L59	12/03/18	ZS	Pad 59 10' South 20' East of Northwest pad corner	8"	BOX	A	132.0	6.5	129.9	118.7	9.4	90	90	
L60	12/03/18	ZS	Pad 60 20' South 20' West of Northeast pad corner	8"	BOX	A	132.0	6.5	129.5	119.1	8.7	90	90	
L59	12/04/18	ZS	Pad 59 10' North 20' East of Southwest pad corner	6"	2' BG	A	132.0	6.5	138.3	128.9	7.3	98	95	
L60	12/04/18	ZS	Pad 60 20' North 20' East of Southwest pad corner	6"	2' BG	A	132.0	6.5	139.6	129.3	8.0	98	95	
L59	01/19/21	ZS	10' North 5' West from Southeast corner of Unit 59	8"	SG	A	128.5	7.5	130.6	121.8	7.2	95	95	
L59	01/19/21	ZS	10' South 10' East from Northwest corner of Unit 59	8"	SG	A	128.5	7.5	131.3	121.5	8.1	95	95	
L60	01/19/21	ZS	10' North 10' East from Southwest corner of Unit 60	8"	SG	A	128.5	7.5	131.1	121.5	7.9	95	95	
L60	01/19/21	ZS	10' South 5' West from Northeast corner of Unit 60	8"	SG	A	128.5	7.5	132.7	122.6	8.2	95	95	
L59	03/10/21	ZS	10' North 10' East from Southwest pad corner, Unit 59	8"	FG	A	131.0	8.5	134.5	124.8	7.8	95	95	
L59	03/10/21	ZS	10' South 10' West from Northeast pad corner, Unit 59	8"	FG	A	131.0	8.5	134.7	125.8	7.1	96	95	
L60	03/10/21	ZS	10' North 10' East from Southwest pad corner, Unit 60	8"	FG	A	131.0	8.5	136.3	126.3	7.9	96	95	
L60	03/10/21	ZS	10' South 20' West from Northeast pad corner, Unit 60	8"	FG	A	131.0	8.5	136.7	126.0	8.5	96	95	
L59	03/29/21	ZS	10' South 20' West from Northeast pad corner, Unit 59	8"	FG	A	131.0	8.5	132.8	123.9	7.2	95	95	
L59	03/29/21	ZS	10' North 10' East from Southwest pad corner, Unit 59	8"	FG	A	131.0	8.5	136.1	125.8	8.2	96	95	
L60	03/29/21	ZS	10' North 10' West from Southeast pad corner, Unit 60	8"	FG	A	131.0	8.5	133.9	124.9	7.2	95	95	
L60	03/29/21	ZS	10' South 10' East from Northwest pad corner, Unit 60	8"	FG	A	128.5	7.5	135.3	124.2	8.9	97	95	



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Test Type	Date	Tech	LOCATION	TEST DEPTH (in)	TEST ELEV (ft)	LABORATORY			FIELD					
						Proctor ID	MDD (PCF)	OMC (%)	WD (PCF)	DD (PCF)	Moisture (%)	Compaction %		Failing Test
ATTN:			CURRENT LOT NUMBERS MAY BE DIFFERENT FROM LOT NUMBERS DURING TESTING											
L61			Building Pad - LOT 61											
L61	12/04/18	ZS	Pad 61 20' South 20' East of Northwest pad corner	6"	2' BG	A	132.0	6.5	137.5	128.0	7.4	97	95	
L61	01/30/19	ZS	Pad 61 10' North 20' East of Southwest pad corner	8"	2' BG	A	123.5	7.5	126.6	118.2	7.1	96	95	
L61	01/30/19	ZS	Pad 61 10' North 20' West of Southeast pad corner	8"	2' BG	A	123.5	7.5	128.4	120.1	6.9	97	95	
L61	01/19/21	ZS	10' North 10' West from Southeast corner of Unit 61	8"	SG	A	128.5	7.5	135.4	125.3	8.1	98	95	
L61	01/19/21	ZS	20' South 5' East from Northwest corner of Unit 61	8"	SG	A	128.5	7.5	133.8	124.1	7.8	97	95	
L61	03/29/21	ZS	20' North 10' West from Southeast pad corner, Unit 61	8"	FG	A	128.5	7.5	134.8	124.9	7.9	97	95	
L61	03/29/21	ZS	10' South 10' East from Northwest pad corner, Unit 61	8"	FG	A	128.5	7.5	132.1	122.4	7.9	95	95	



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						Proctor ID	MDD (PCF)	OMC (%)	WD (PCF)	DD (PCF)	Moisture (%)	Field	Spec.	Falling Test
ATTN:			CURRENT LOT NUMBERS MAY BE DIFFERENT FROM LOT NUMBERS DURING TESTING											
L62-63			Building Pad - LOT 62-63											
L62	12/04/18	ZS	Pad 62 10' North 20' East of Southwest pad corner	6"	2' BG	A	132.0	6.5	138.5	128.4	7.9	97	95	
L63	12/04/18	ZS	Pad 63 20' North 20' East of Southwest pad corner	6"	2' BG	A	132.0	6.5	136.7	127.6	7.1	97	95	
L62	01/19/21	ZS	5' South 10' East from Northwest corner of Unit 62	8"	SG	A	128.5	7.5	132.3	123.4	7.2	96	95	
L62	01/19/21	ZS	10' North 10' West from Southeast corner of Unit 62	8"	SG	A	128.5	7.5	132.1	122.4	7.9	95	95	
L63	01/19/21	ZS	20' South 10' West from Northeast corner of Unit 63	8"	SG	A	128.5	7.5	131.0	121.9	7.5	95	95	
L63	01/19/21	ZS	10' North 5' East from Southwest corner of Unit 63	8"	SG	A	128.5	7.5	131.2	122.2	7.4	95	95	
L62	03/08/21	ZS	20' North 10' East from Southwest pad corner, Unit 62	8"	FG	A	131.0	8.5	136.6	125.8	8.6	96	95	
L62	03/08/21	ZS	20' South 10' West from Northeast pad corner, Unit 62	8"	FG	A	131.0	8.5	134.1	123.9	8.2	95	95	
L63	03/08/21	ZS	10' North 10' East from Southwest pad corner, Unit 63	8"	FG	A	131.0	8.5	135.3	124.8	8.4	95	95	



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						Proctor ID	MDD (PCF)	OMC (%)	WD (PCF)	DD (PCF)	Moisture (%)	Compaction %		Failing Test
ATTN:			CURRENT LOT NUMBERS MAY BE DIFFERENT FROM LOT NUMBERS DURING TESTING											
L64-65			Building Pad - LOT 64-65											
L64	12/04/18	ZS	Pad 64 20' North 20' East of Southwest pad corner	6"	2' BG	A	132.0	6.5	138.4	129.3	7.0	98	95	
L65	12/04/18	ZS	Pad 65 20' South 20' East of Northwest pad corner	6"	2' BG	A	132.0	6.5	137.2	127.6	7.5	97	95	
L64	01/19/21	ZS	5' South 10' West from Northeast corner of Unit 64	8"	SG	A	128.5	7.5	131.3	122.4	7.3	95	95	
L64	01/19/21	ZS	10' North 10' East from Southwest corner of Unit 64	8"	SG	A	128.5	7.5	132.0	122.8	7.5	96	95	
L65	01/19/21	ZS	20' North 10' West from Southeast corner of Unit 65	8"	SG	A	128.5	7.5	131.6	122.5	7.4	95	95	
L65	01/19/21	ZS	5' South 5' East from Northwest corner of Unit 65	8"	SG	A	128.5	7.5	133.9	124.1	7.9	97	95	
L64	03/08/21	ZS	10' South 20' West from Northeast pad corner, Unit 64	8"	FG	A	131.0	8.5	135.3	124.2	8.9	95	95	
L65	03/08/21	ZS	10' North 10' West from Southeast pad corner, Unit 65	8"	FG	A	131.0	8.5	136.2	125.8	8.3	96	95	
L65	03/08/21	ZS	10' South 10' East from Northwest pad corner, Unit 65	8"	FG	A	131.0	8.5	134.6	124.1	8.5	95	95	



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						Proctor ID	MDD (PCF)	OMC (%)	WD (PCF)	DD (PCF)	Moisture (%)	Compaction %		Falling Test
ATTN:			CURRENT LOT NUMBERS MAY BE DIFFERENT FROM LOT NUMBERS DURING TESTING											
L66-67			Building Pad - LOT 66-67											
L66	12/04/18	ZS	Pad 66 20' North 20' West of Southeast pad corner	6"	2' BG	A	132.0	6.5	137.8	128.1	7.6	97	95	
L67	12/04/18	ZS	Pad 67 20' South 20' West of Northeast pad corner	6"	2' BG	A	132.0	6.5	137.0	127.8	7.2	97	95	
L66	01/19/21	ZS	10' South 10' West from Northeast corner of Unit 66	8"	SG	A	128.5	7.5	130.7	121.9	7.2	95	95	
L66	01/19/21	ZS	10' North 10' East from Southwest corner of Unit 66	8"	SG	A	128.5	7.5	133.7	124.8	7.1	97	95	
L67	01/19/21	ZS	10' South 20' West from Northeast corner of Unit 67	8"	SG	A	128.5	7.5	132.3	122.6	7.9	95	95	
L67	01/19/21	ZS	10' North 10' East from Southwest corner of Unit 67	8"	SG	A	128.5	7.5	134.5	124.1	8.4	97	95	
L66	03/08/21	ZS	10' North 10' West from Southeast pad corner, Unit 66	8"	FG	A	131.0	8.5	137.4	126.3	8.8	96	95	
L66	03/08/21	ZS	10' South 10' East from Northwest pad corner, Unit 66	8"	FG	A	131.0	8.5	135.0	124.2	8.7	95	95	
L67	03/29/21	ZS	20' North 10' East from Southwest pad corner, Unit 67	8"	FG	A	131.0	8.5	132.9	124.2	7.0	95	95	
L67	03/29/21	ZS	20' South 10' West from Northeast pad corner, Unit 67	8"	FG	A	131.0	8.5	134.7	125.8	7.1	96	95	



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						Proctor ID	MDD (PCF)	OMC (%)	WD (PCF)	DD (PCF)	Moisture (%)	Compaction %		Failing Test
ATTN:			CURRENT LOT NUMBERS MAY BE DIFFERENT FROM LOT NUMBERS DURING TESTING											
L68-69			Building Pad - LOT 68-69											
L68	12/04/18	ZS	Pad 69 20' South 20' West of Northeast pad corner	6"	3' BG	A	132.0	6.5	138.9	130.1	6.8	99	95	
L68	12/04/18	ZS	Pad 68 10' South 20' East of Northwest pad corner	6"	2' BG	A	132.0	6.5	137.9	129.2	6.7	98	95	
L68	01/19/21	ZS	20' South 5' West from Northeast corner of Unit 68	8"	SG	A	128.5	7.5	132.7	122.8	8.1	96	95	
L68	01/19/21	ZS	10' North 5' East from Southwest corner of Unit 68	8"	SG	A	128.5	7.5	132.5	122.9	7.8	96	95	
L69	01/19/21	ZS	20' South 10' East from Northwest corner of Unit 69	8"	SG	A	128.5	7.5	132.8	123.5	7.5	96	95	
L69	01/19/21	ZS	10' North 5' West from Southeast corner of Unit 69	8"	SG	A	128.5	7.5	132.5	123.1	7.6	96	95	
L68	03/29/21	ZS	10' North 10' East from Southwest pad corner, Unit 68	8"	FG	A	131.0	8.5	134.8	124.9	7.9	95	95	
L68	03/29/21	ZS	10' South 20' West from Northeast pad corner, Unit 68	8"	FG	A	131.0	8.5	138.9	128.4	8.2	98	95	
L69	03/29/21	ZS	10' North 10' West from Southeast pad corner, Unit 69	8"	FG	A	131.0	8.5	133.5	124.2	7.5	95	95	
L69	03/29/21	ZS	10' South 10' East from Northwest pad corner, Unit 69	8"	FG	A	131.0	8.5	138.3	128.2	7.9	98	95	

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									WD (PCF)	DD (PCF)	Moisture (%)	Field	Spec.	Failing Test
ATTN:			CURRENT LOT NUMBERS MAY BE DIFFERENT FROM LOT NUMBERS DURING TESTING											
L70-71			Building Pad - LOT 70-71											
L70	12/04/18	ZS	Pad 70 20' South 20' East of Northwest pad corner	6"	3' BG	A	132.0	6.5	136.4	127.2	7.2	96	95	
L71	12/04/18	ZS	Pad 71 20' North 20' West of Southeast pad corner	6"	3' BG	A	132.0	6.5	137.8	128.9	6.9	98	95	
L70	01/19/21	ZS	5' South 10' East from Northwest corner of Unit 70	8"	SG	A	128.5	7.5	131.3	121.8	7.8	95	95	
L70	01/19/21	ZS	10' North 10' West from Southeast corner of Unit 70	8"	SG	A	128.5	7.5	132.9	122.9	8.1	96	95	
L71	01/19/21	ZS	10' North 5' East from Southwest corner of Unit 71	8"	SG	A	128.5	7.5	133.4	124.1	7.5	97	95	
L71	01/19/21	ZS	10' South 10' West from Northeast corner of Unit 71	8"	SG	A	128.5	7.5	135.2	126.2	7.1	98	95	
L70	03/18/21	ZS	10' South 10' West from Northeast unit corner, Unit 70	8"	FG	A	131.0	8.5	135.3	124.2	8.9	95	95	
L70	03/18/21	ZS	20' North 10' East from Southwest unit corner, Unit 70	8"	FG	A	131.0	8.5	137.7	126.9	8.5	97	95	
L71	03/18/21	ZS	10' North 10' West from Southeast unit corner, Unit 71	8"	FG	A	131.0	8.5	139.5	128.1	8.9	98	95	
L71	03/18/21	ZS	10' South 10' East from Northwest unit corner, Unit 71	8"	FG	A	131.0	8.5	138.5	128.1	8.1	98	95	
L70	03/29/21	ZS	10' North 10' West from Southeast pad corner, Unit 70	8"	FG	A	131.0	8.5	134.4	124.9	7.6	95	95	
L70	03/29/21	ZS	10' South 10' East from Northwest pad corner, Unit 70	8"	FG	A	131.0	8.5	136.2	126.3	7.8	96	95	
L71	03/29/21	ZS	10' North 20' East from Southwest pad corner, Unit 71	8"	FG	A	131.0	8.5	134.1	124.7	7.5	95	95	
L71	03/29/21	ZS	10' South 20' West from Northeast pad corner, Unit 71	8"	FG	A	131.0	8.5	137.9	127.9	7.8	98	95	



# Applied GeoTech

## FILL AND OBSERVATION TESTING REPORT

PROJECT NAME: Arcadia, Phase 3  
 PROJECT NUMBER: 2182022  
 LOCATION: Santa Clara

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Test Type	Date	Tech	LOCATION	TEST DEPTH (in)	TEST ELEV (ft)	LABORATORY			FIELD					
						Proctor ID	MDD (PCF)	OMC (%)	WD (PCF)	DD (PCF)	Moisture (%)	Compaction %		Falling Test
ATTN:			CURRENT LOT NUMBERS MAY BE DIFFERENT FROM LOT NUMBERS DURING TESTING											
L72			Building Pad - LOT 72											
L72	12/04/18	ZS	Pad 72 20' North 10' West of Southeast pad corner	6"	3' BG	A	132.0	6.5	139.0	129.3	7.5	98	95	
L72	01/19/21	ZS	10' South 10' East from Northwest corner of Unit 72	8"	SG	A	128.5	7.5	133.9	124.1	7.9	97	95	
L72	01/19/21	ZS	10' North 10' West from Southeast corner of Unit 72	8"	SG	A	128.5	7.5	130.6	121.8	7.2	95	95	
L72	03/18/21	ZS	10' South 10' West from Northeast unit corner, Unit 72	8"	FG	A	131.0	8.5	136.5	125.8	8.5	96	95	
L72	03/18/21	ZS	10' North 10' East from Southwest unit corner, Unit 72	8"	FG	A	131.0	8.5	136.2	125.2	8.8	96	95	
L72	03/29/21	ZS	10' North 10' East from Southwest pad corner, Unit 72	8"	FG	A	131.0	8.5	134.1	125.2	7.1	96	95	
L72	03/29/21	ZS	10' South 10' West from Northeast pad corner, Unit 72	8"	FG	A	131.0	8.5	133.9	124.1	7.9	95	95	





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Test Type	Date	Tech	LOCATION	TEST DEPTH (in)	TEST ELEV (ft)	LABORATORY			FIELD					
						Proctor ID	MDD (PCF)	OMC (%)	WD (PCF)	DD (PCF)	Moisture (%)	Compaction %		Falling Test
ATTN:			CURRENT LOT NUMBERS MAY BE DIFFERENT FROM LOT NUMBERS DURING TESTING											
L75-76			Building Pad - LOT 75-76											
L76	12/03/18	ZS	Pad 76 20' North 10' West of Southeast pad corner	8"	BOX	A	132.0	6.5	130.3	120.4	8.2	91	90	
L76	12/04/18	ZS	Pad 76 20' South 20' West of Northeast pad corner	6"	3' BG	A	132.0	6.5	138.8	129.6	7.1	98	95	
L76	12/05/18	ZS	Pad 76 20' South 20' East of Northwest pad corner	6"	1' BG	A	132.0	6.5	139.2	131.2	6.1	99	95	
L76	01/29/19	ZS	Pad 76 20' South 10' West of Southeast pad corner	6"	2' BG	A	123.5	7.5	130.0	121.3	7.2	98	95	
L76	01/29/19	ZS	Pad 76 30' North 10' West of Southeast pad corner	6"	1' BG	A	123.5	7.5	131.4	122.1	7.6	99	95	
L76	01/29/19	ZS	Pad 76 10' North 20' West of Southeast pad corner	6"	FG	A	123.5	7.5	129.8	120.1	8.1	97	95	
L75	01/19/21	ZS	10' North 10' West from Southeast corner of Unit 75	8"	SG	A	128.5	7.5	130.7	122.0	7.1	95	95	
L75	01/19/21	ZS	10' South 20' East from Northwest corner of Unit 75	8"	SG	A	128.5	7.5	131.0	121.4	7.9	95	95	
L76	01/19/21	ZS	10' South 10' West from Northeast corner of Unit 76	8"	SG	A	128.5	7.5	132.1	123.2	7.2	96	95	
L76	01/19/21	ZS	10' North 5' East from Southwest corner of Unit 76	8"	SG	A	128.5	7.5	130.7	121.7	7.4	95	95	



# Applied GeoTech

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Test Type	Date	Tech	LOCATION	TEST DEPTH (in)	TEST ELEV (ft)	LABORATORY			FIELD					
						Proctor ID	MDD (PCF)	OMC (%)	WD (PCF)	DD (PCF)	Moisture (%)	Compaction %		Failing Test
ATTN:			CURRENT LOT NUMBERS MAY BE DIFFERENT FROM LOT NUMBERS DURING TESTING											
L77-78			Building Pad - LOT 77-78											
L77	12/03/18	ZS	Pad 77 10' South 10' East of Northwest pad corner	8"	BOX	A	132.0	6.5	131.6	121.4	8.4	92	90	
L78	12/03/18	ZS	Pad 78 20' South 10' West of Northeast pad corner	8"	BOX	A	132.0	6.5	129.4	120.9	7.0	92	90	
L77	12/04/18	ZS	Pad 77 20' South 10' West of Northeast pad corner	6"	3' BG	A	132.0	6.5	139.8	129.2	8.2	98	95	
L78	12/04/18	ZS	Pad 78 10' North 20' East of Southwest pad corner	6"	3' BG	A	132.0	6.5	135.9	125.1	8.6	95	95	
L77	12/05/18	ZS	Pad 77 30' North 20' West of Southeast pad corner	6"	1' BG	A	132.0	6.5	136.1	128.1	6.2	97	95	
L78	12/12/18	ZS	Pad 78 20' North 10' West of Southeast pad corner	6"	1' BG	A	128.5	7.5	132.8	123.9	7.2	96	95	
L78	01/29/19	ZS	Pad 78 20' North 30' East of Southwest pad corner	6"	2' BG	A	123.5	7.5	125.3	116.9	7.2	95	95	
L78	01/29/19	ZS	Pad 78 15' North 30' East of Southwest pad corner	6"	1' BG	A	123.5	7.5	129.3	120.4	7.4	98	95	
L78	01/29/19	ZS	Pad 78 10' North 30' East of Southwest pad corner	6"	FG	A	123.5	7.5	126.2	118.9	6.1	96	95	
L77	01/29/19	ZS	Pad 77 10' South 20' East of Northwest pad corner	6"	2' BG	A	123.5	7.5	126.7	116.9	8.4	95	95	
L77	01/29/19	ZS	Pad 77 20' South 10' East of Northwest pad corner	6"	1' BG	A	123.5	7.5	126.8	117.8	7.6	95	95	
L77	01/29/19	ZS	Pad 77 10' North 20' East of Southwest pad corner	6"	FG	A	123.5	7.5	128.1	119.3	7.4	97	95	





# Applied GeoTech

## FILL AND OBSERVATION TESTING REPORT

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Test Type	Date	Tech	LOCATION	TEST DEPTH (in)	TEST ELEV (ft)	LABORATORY			FIELD					
						Proctor ID	MDD (PCF)	OMC (%)	WD (PCF)	DD (PCF)	Molsture (%)	Field	Spec.	Falling Test
ATTN:			CURRENT LOT NUMBERS MAY BE DIFFERENT FROM LOT NUMBERS DURING TESTING											
Amenity			Building Pad - AMENITY											
L80	12/03/18	ZS	Pad 80 20' North 10' West of Southeast pad corner	8"	BOX	A	132.0	6.5	130.3	120.9	7.8	92	90	
L80	12/04/18	ZS	Pad 80 10' North 20' East of Southwest pad corner	6"	3' BG	A	132.0	6.5	138.7	128.2	8.2	97	95	
L81	12/04/18	ZS	Pad 81 10' South 20' West of Northeast pad corner	6"	3' BG	A	132.0	6.5	140.6	129.1	8.9	98	95	
L82	12/04/18	ZS	Pad 82 20' North 10' West of Southeast pad corner	6"	3' BG	A	132.0	6.5	137.5	126.7	8.5	96	95	
L83	12/04/18	ZS	Pad 83 10' South 20' East of Northwest pad corner	6"	3' BG	A	132.0	6.5	135.0	124.9	8.1	95	95	
L80	12/06/18	ZS	Pad 80 20' North 10' West of Southeast pad corner	6"	1' BG	A	128.5	7.5	130.5	124.2	5.1	97	95	
L81	12/06/18	ZS	Pad 81 20' South 20' East of Northwest pad corner	6"	1' BG	A	128.5	7.5	134.1	125.9	6.5	98	95	
L82	12/06/18	ZS	Pad 82 20' South 10' West of Northeast pad corner	6"	1' BG	A	128.5	7.5	134.8	126.2	6.8	98	95	
L83	12/06/18	ZS	Pad 83 20' North 20' West of Southeast pad corner	6"	1' BG	A	128.5	7.5	134.3	126.3	6.3	98	95	
L80	01/29/19	ZS	Pad 80 20' South 20' East of Northwest pad corner	6"	2' BG	A	123.5	7.5	126.6	118.2	7.1	96	95	
L80	01/29/19	ZS	Pad 80 10' South 20' West of Northeast pad corner	6"	1' BG	A	123.5	7.5	128.7	119.6	7.6	97	95	
L80	01/29/19	ZS	Pad 80 10' North 10' East of Southwest pad corner	6"	FG	A	123.5	7.5	127.6	118.7	7.5	96	95	
L81	01/29/19	ZS	Pad 81 20' South 10' West of Northeast pad corner	6"	2' BG	A	123.5	7.5	128.0	119.5	7.1	97	95	
L81	01/29/19	ZS	Pad 81 30' South 10' West of Northeast pad corner	6"	1' BG	A	123.5	7.5	129.9	120.4	7.9	98	95	
L81	01/29/19	ZS	Pad 81 20' South 20' East of Northwest pad corner	8"	FG	A	123.5	7.5	127.7	119.2	7.1	97	95	
L82	01/29/19	ZS	Pad 82 10' South 20' West of Northeast pad corner	8"	2' BG	A	123.5	7.5	126.4	117.1	7.9	95	95	
L82	01/29/19	ZS	Pad 82 20' South 20' West of Northeast pad corner	8"	1' BG	A	123.5	7.5	126.4	118.2	6.9	96	95	
L82	01/29/19	ZS	Pad 82 20' North 10' East of Southwest pad corner	8"	FG	A	123.5	7.5	129.1	120.4	7.2	98	95	
L83	01/29/19	ZS	Pad 83 10' South 20' West of Northeast pad corner	8"	2' BG	A	123.5	7.5	127.9	119.1	7.4	96	95	
L83	01/29/19	ZS	Pad 83 20' South 20' West of Northeast pad corner	8"	1' BG	A	123.5	7.5	127.3	118.4	7.5	96	95	
L83	01/29/19	ZS	Pad 83 20' North 20' West of Southeast pad corner	8"	FG	A	123.5	7.5	128.9	120.4	7.1	98	95	

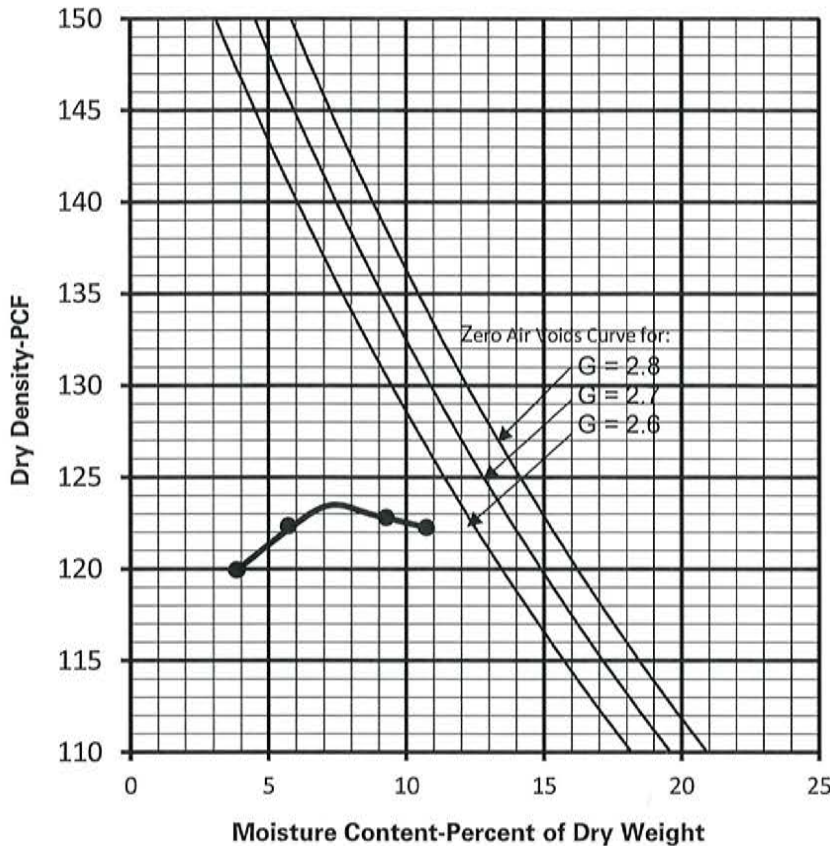


# PROCTORS USED



# Applied GeoTech

Project: Arcadia Phase 2



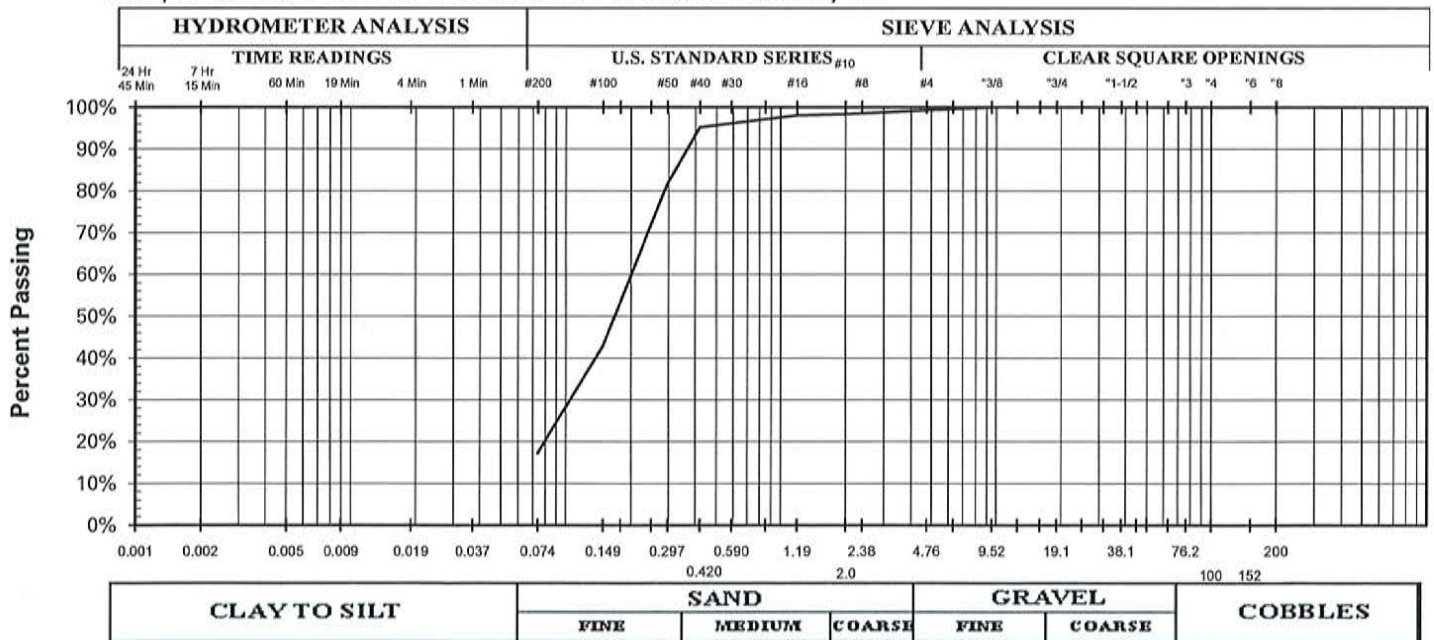
**Sample Date:** 8/14/18  
**Sample No.** 180815A  
**Maximum Dry Density:** 123.5  
**Optimum Moisture:** 7.5

**Atterberg Limits**  
**Liquid Limit:**  
**Plasticity Index:** Non-Plastic

**Gradation**  
**Gravel:** 1%  
**Sand:** 82%  
**Silt & Clay:** 17%

**Moisture - Density Relationship Test Procedure: AASHTO T-180 B**  
**USCS Classification:** silty sand (SM)  
**AASHTO Classification:** A-2-4  
**Sample Location:** 80'N 60'W of NE corner of Arcadia Amenity lot

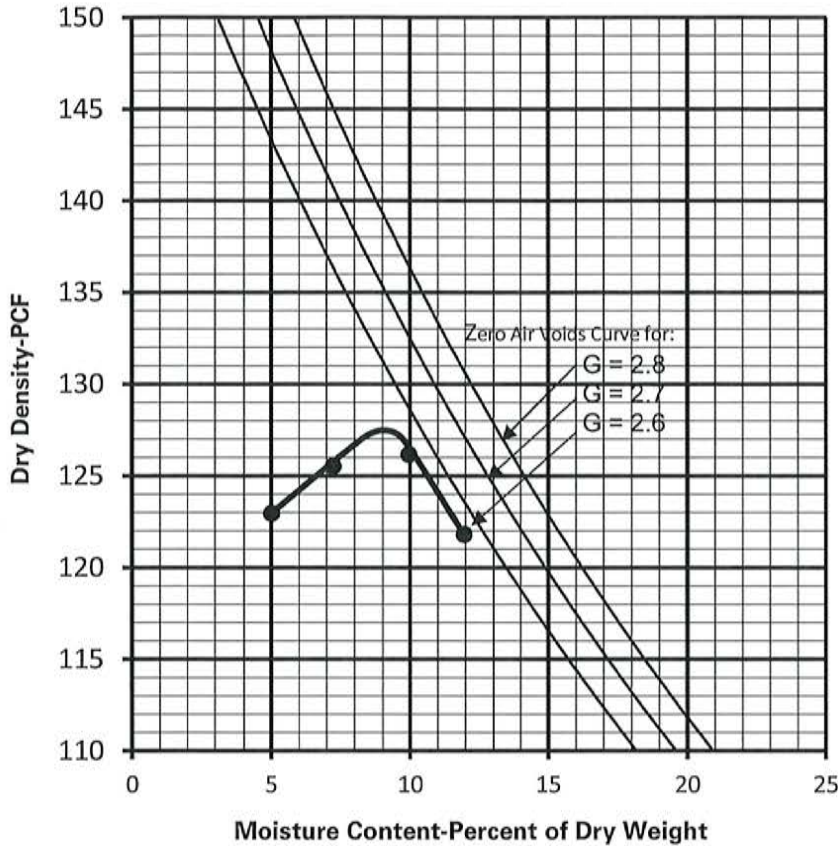
Reviewed By: BI





# Applied GeoTech

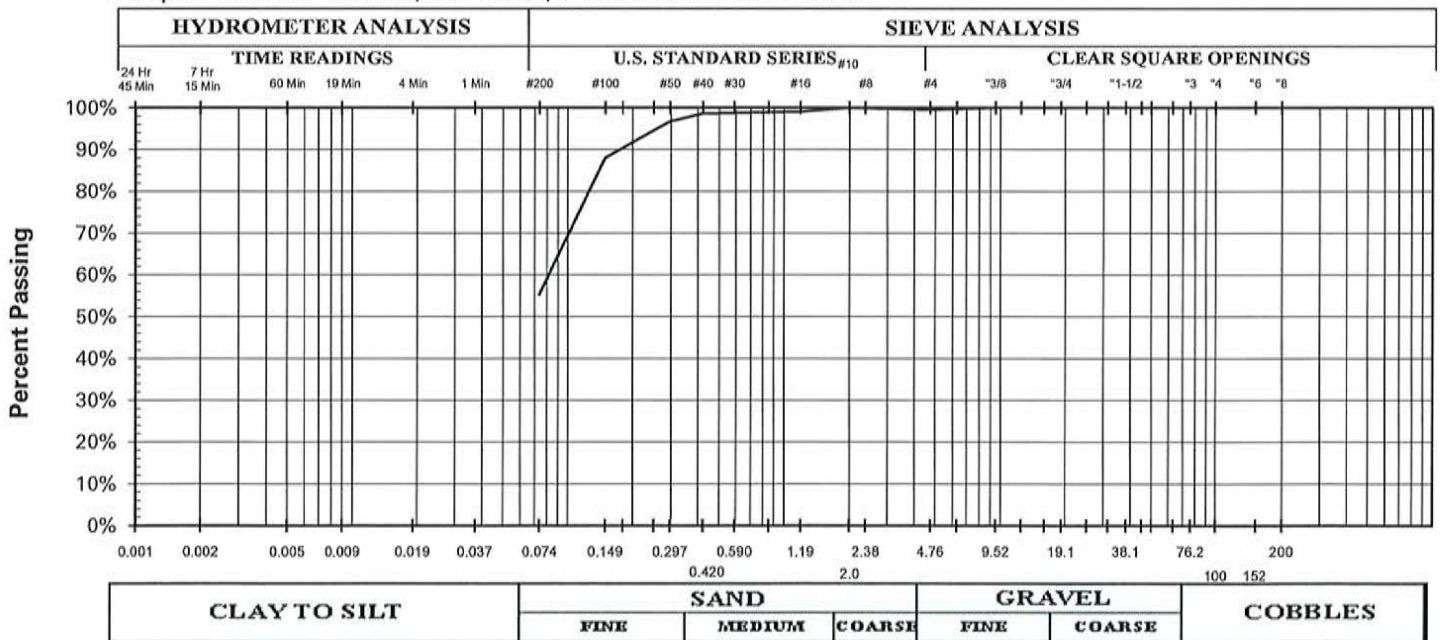
Project: Villas at Snow Canyon



**Sample Date:** 8/3/17  
**Sample No.:** 170803D  
**Maximum Dry Density:** 127.5  
**Optimum Moisture:** 9.0  
**Atterberg Limits**  
 Liquid Limit:  
 Plasticity Index: Non-Plastic  
**Gradation**  
 Gravel: 0%  
 Sand: 44%  
 Silt & Clay: 56%

Moisture - Density Relationship Test Procedure: AASHTO T-180 B  
 USCS Classification: sandy silt (ML)  
 AASHTO Classification: A-4  
 Sample Location: Road A, Sta 17+58, 5' north of 5.5 manhole #7

Reviewed By: TT



## GRADATION AND MOISTURE-DENSITY RELATIONSHIP RESULTS

Project No.: 2170762

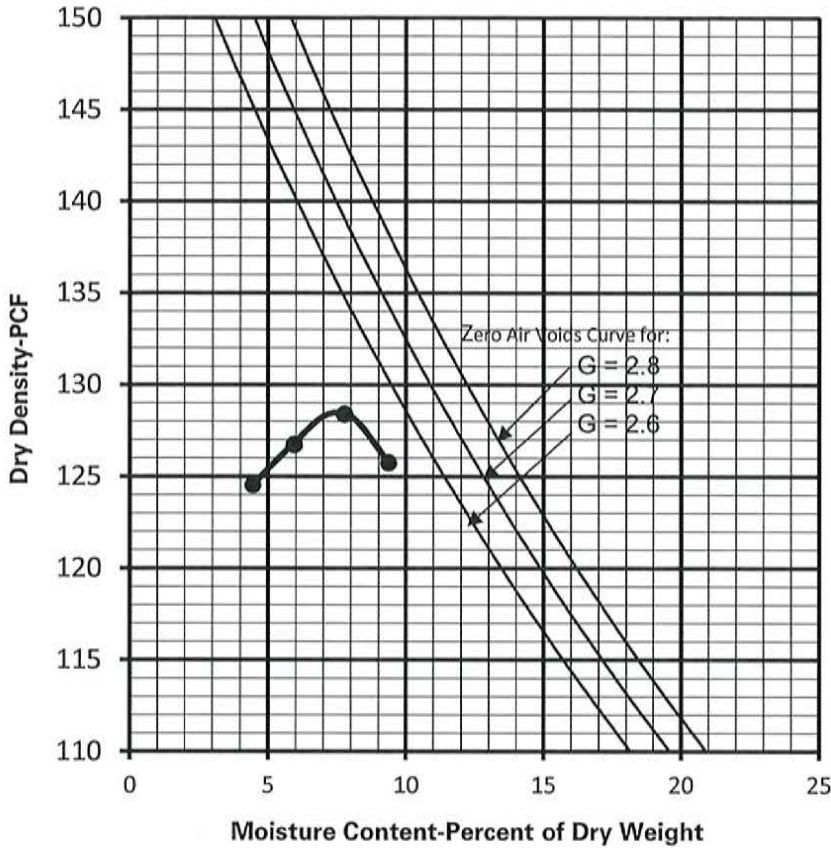
Figure:





# Applied GeoTech

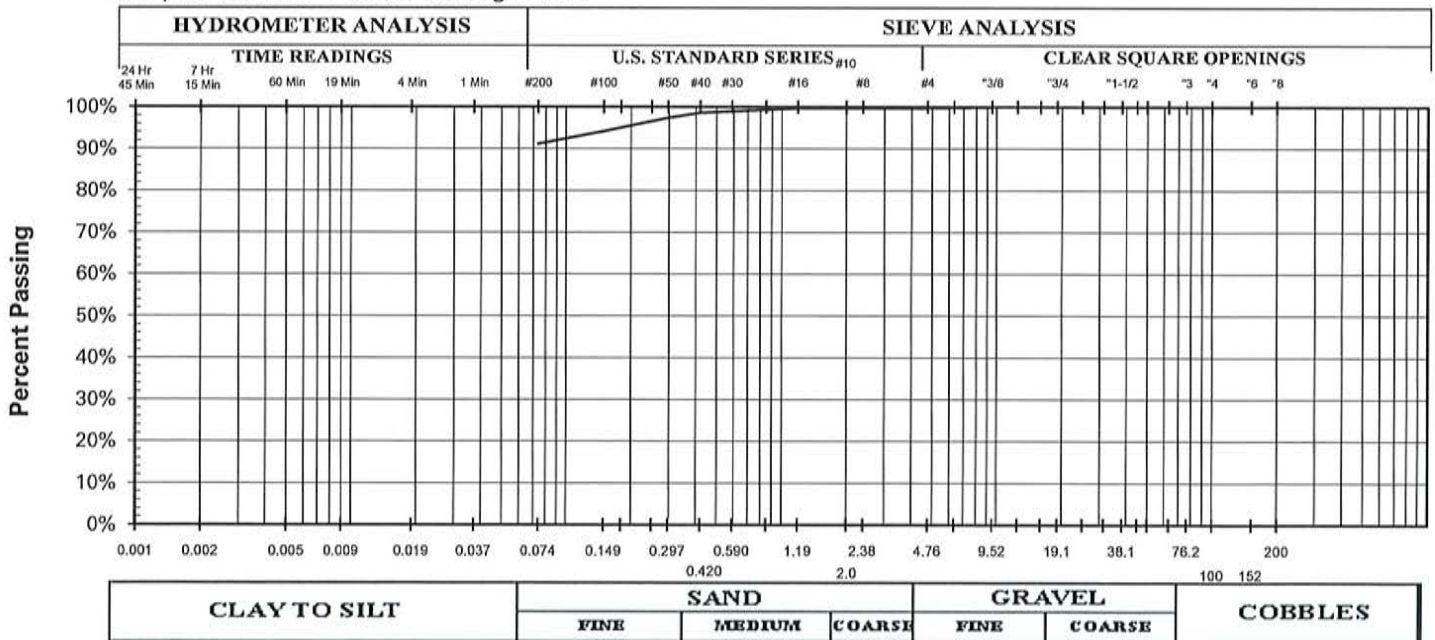
Project: Pioneer Storage Units



**Sample Date:** 12/3/18  
**Sample No.:** 181203D  
**Maximum Dry Density:** 128.5  
**Optimum Moisture:** 7.5  
**Atterberg Limits**  
 Liquid Limit: 23%  
 Plasticity Index: 12%  
**Gradation**  
 Gravel: 0%  
 Sand: 9%  
 Silt & Clay: 91%

Moisture - Density Relationship Test Procedure: AASHTO T-180 B  
 USCS Classification: lean clay (CL)  
 AASHTO Classification: A-6  
 Sample Location: Pioneer Storage Units

Reviewed By: TT



## GRADATION AND MOISTURE-DENSITY RELATIONSHIP RESULTS

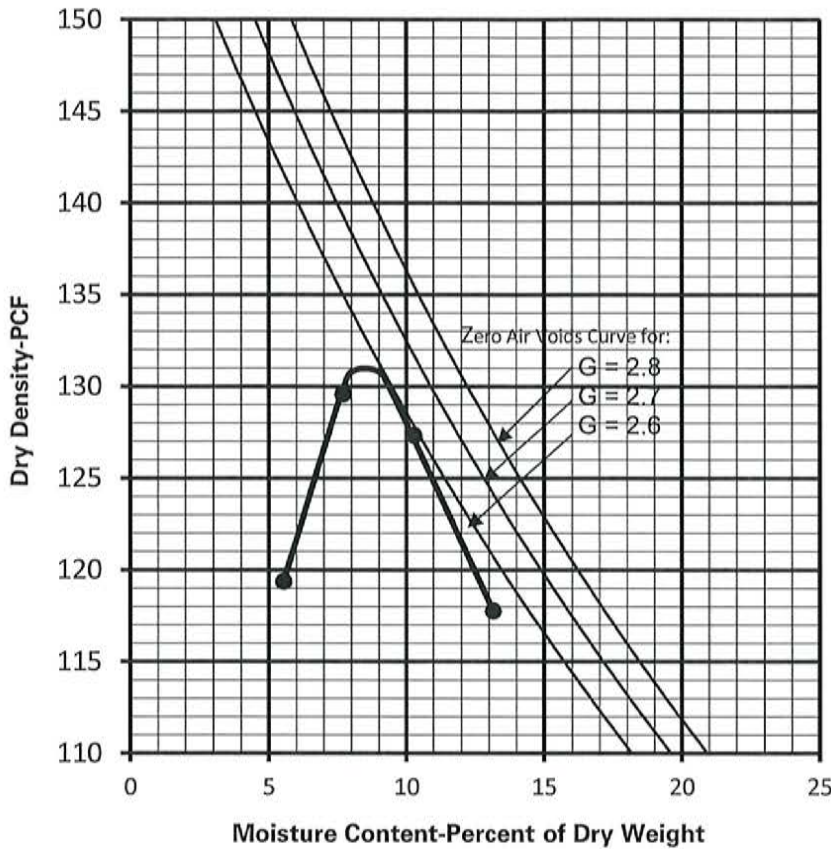
Project No.: 2182007

Figure:



# Applied GeoTech

Project: Arcadia, Phase 3 Improvements



**Sample Date:** 1/28/21  
**Sample No.:** 210130B  
**Maximum Dry Density:** 131.0  
**Optimum Moisture:** 8.5  
**Atterberg Limits**  
 Liquid Limit:  
 Plasticity Index: Non-Plastic  
**Gradation**  
 Gravel: 0%  
 Sand: 49%  
 Silt & Clay: 51%

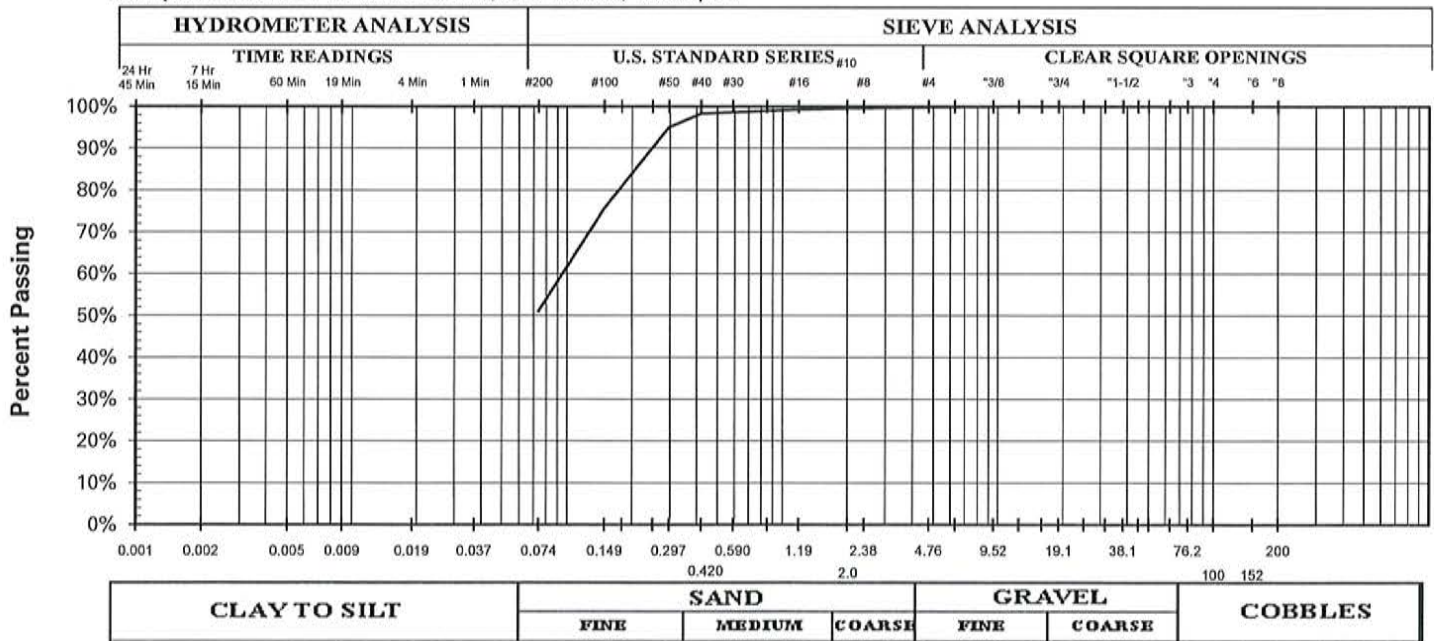
Moisture - Density Relationship Test Procedure: ASTM D-1557 B

Reviewed By: TT

USCS Classification: sandy silt (ML)

AASHTO Classification: A-4

Sample Location: Arcadia Drive, Sta 38+50, stockpile



## GRADATION AND MOISTURE-DENSITY RELATIONSHIP RESULTS

Project No.: 2210285

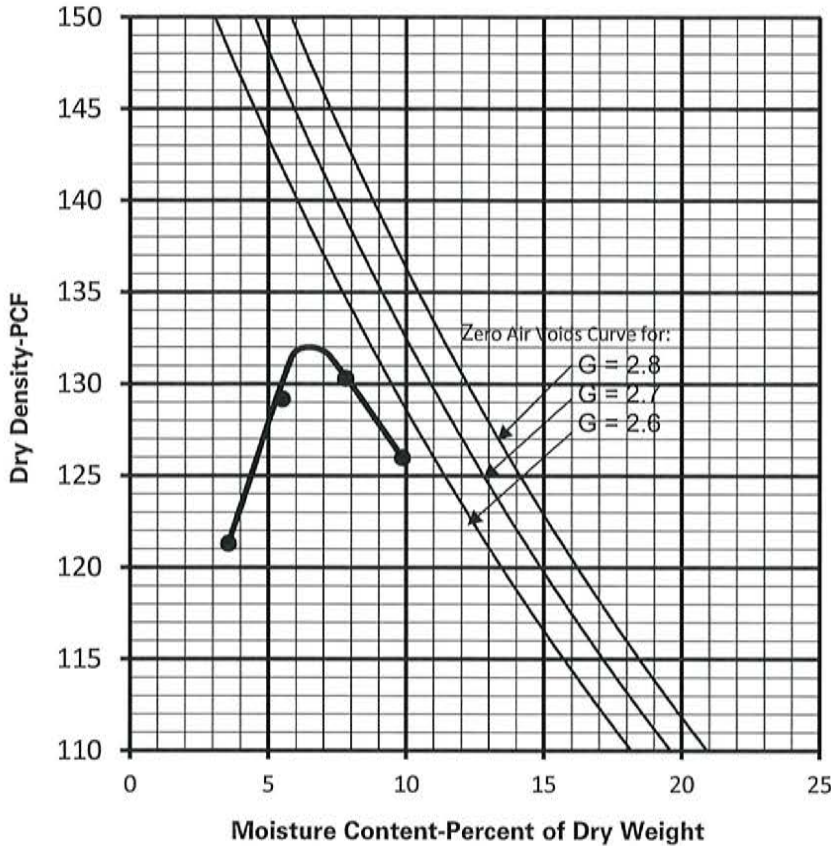
Figure:





# Applied GeoTech

Project: Arcadia Phase 2



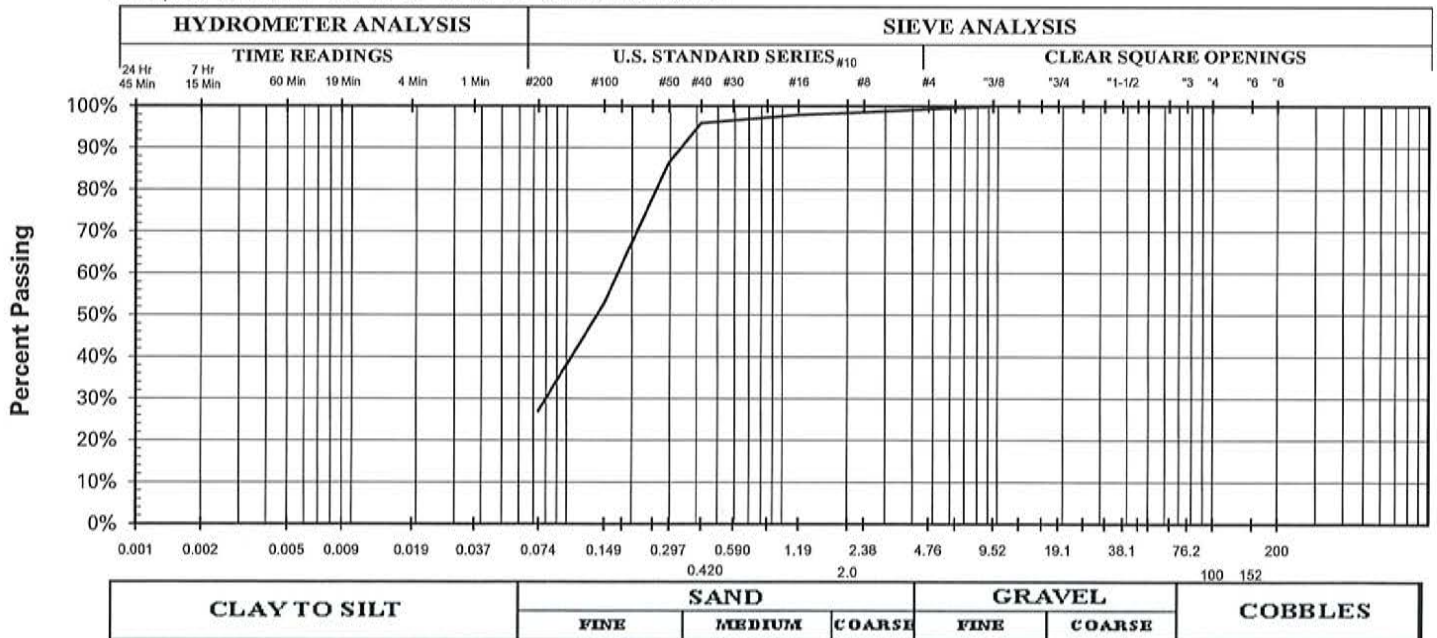
**Sample Date:** 8/21/18  
**Sample No.** 180821D  
**Maximum Dry Density:** 132.0  
**Optimum Moisture:** 6.5

**Atterberg Limits**  
**Liquid Limit:**  
**Plasticity Index:** Non-Plastic

**Gradation**  
**Gravel:** 1%  
**Sand:** 72%  
**Silt & Clay:** 27%

Moisture - Density Relationship Test Procedure: AASHTO T-180 B  
 USCS Classification: silty sand (SM)  
 AASHTO Classification: A-2-4  
 Sample Location: 20' N 10' W of SE corner of Lot 51

Reviewed By: TT



## GRADATION AND MOISTURE-DENSITY RELATIONSHIP RESULTS

Project No.: 2181395

Figure: